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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/630,307	07/30/2003	Joel M. WasDyke	1001.1681101	9064
28/075 7590 10/02/2008 CROMPTON, SEAGER & TUFTE, LLC 1221 NICOLLET AVENUE SUITE 800 MINNEAPOLIS, MN 55403-2420				
EXAMINER				
BUL VY Q				
ART UNIT		PAPER NUMBER		
3773				
MAIL DATE		DELIVERY MODE		
10/02/2008		PAPER		

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary

Application No.

10/630,307

Applicant(s)

WASDYKE, JOEL M.

Examiner

Vy Q. Bui

Art Unit

3773

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 18 August 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 13-24 and 31-33 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 13-24 and 31-33 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO/S508)
Paper No(s)/Mail Date _____
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date _____
- 5) ☐ Notice of Informal Patent Application
- 6) ☐ Other: _____

DETAILED ACTION

Claim Rejections - 35 USC § 102

The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

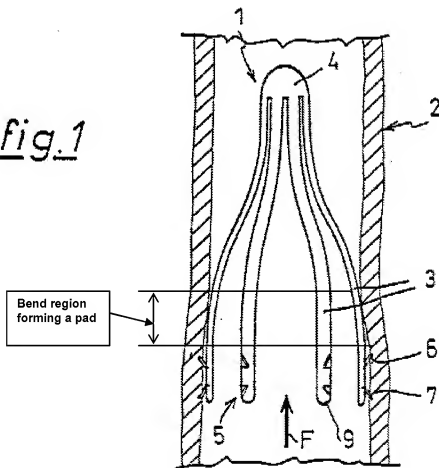
(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

Claims 13-15, 23-24 and 31-33 are rejected under 35 U.S.C. 102(b) as anticipated by or, in the alternative, under 35 U.S.C. 103(a) as obvious over Lefebvre-5,108,418.

As to claims 13-15, 23-24 and 31-33, Lefebvre-418 (Fig. 1-3; abstract; line 52, col. 2 to line 4, col. 4) discloses filter device made of a shape memory/elastic material having six legs 3 joined together to form head 4, means for attachment/hooks 6, 7 (Fig. 2-3) and a bend region in the proximal section forming a pad to abut the vessel wall (Fig. 1). Legs 3 of the device may be brought substantially against one another in a sheath for introduction, and they open out inside the vein 2 when the filter is pushed out of the sheath. The elastic deformation of the legs 3 with respect to the head 4 is such that, when the filter 1 is implanted, the free end 5 of each 3 abuts on the inner wall 8 of the vein 2. Notice that from Fig. 1, the bend regions of legs 3 are longitudinally apart from the attachment regions (regions having attachment means/hooks 6, 7). Inherently, six legs 3 are symmetrically or 60-degree apart from one another in a lumen of a blood vessel to conform to the lumen of the blood vessel evenly.

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Alternatively, it would have been obvious to one of ordinary skill in the art to arrange six legs 3 at a 60-degree equidistance apart in a symmetrical configuration to substantially conform to a lumen of a blood vessel.

fig. 1

Claim Rejections - 35 USC § 103

The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

1. Claims 16-17, 19-21 are rejected under 35 U.S.C. 103(a) as being unpatentable over Lefebvre-5,108,418 in view of Simon-4,425,908.

Lefebvre-'908 discloses substantially the claimed invention, except for the shape memory material of the device is a nickel-titanium-cobalt alloy. However, Simon-4,425,908 (Fig. 1-13; abstract; line 25, col. 5 to line 9, col. 6) discloses a filter device includes filter legs 22, hooks 26, bend regions/pad 20 of an alloy of Ni-Ti (nitinol) having a pliable (martensite) condition at a temperature below 70 degrees F and expand to a rigid (austenite) condition at above 90 degrees F. It would have been obvious to one of ordinary skill in the art at the time of the invention to make Lefebvre-5,108,418 blood filter of a Ni-Ti-Cobalt alloy as taught by Simon-'908 as this material is well known and proper for making a blood filter device.

2. Claim 18 is rejected under 35 U.S.C. 103(a) as being unpatentable over Lefebvre-5,108,418 in view of Simon-4,425,908 and further in view of Boylan et al-6,602,272.

Lefebvre-5,108,418 in view of Simon-'908 discloses substantially the claimed invention, except for the shape memory material of the device is a nickel-titanium-cobalt alloy. However, Boylan-272 (claims 8 and 21) discloses a blood filter device comprising a Ni-Ti-Cobalt alloy. It would have been obvious to one of ordinary skill in the art at the time of the invention to make a

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filter as taught by Lefebvre-5,108,418 in view of Simon-4,425,908 of a Ni-Ti-Cobalt alloy as this material is well known and proper for making a blood filter device as taught by Boylan et al-6,602,272.

2. Claim 22 is rejected under 35 U.S.C. 103(a) as being unpatentable over Lefebvre-5,108,418 as applied to claim 13 above in view of Mazzocchi et al.-6,949,103.

Lefebvre-5,108,418 discloses substantially the claimed invention, except for the lubricious coating of the device. However, Mazzocchi-'103 (col. 12, lines 7-22) discloses that it is well known to have a lubricious coating to control thrombogenicity of a blood filter. It would have been obvious to one of ordinary skill in the art at the time of the invention to provide a lubricious coating for the Simon-'908 blood filter device as recited in the claims for this configuration is well known in the art for controlling the thrombogenicity of the blood filter device.

Response to Arguments

Applicant's amendment and arguments with respect to the claims of present invention have been carefully considered but are moot in view of the new ground(s) of rejection. A pad is identified in the above Fig. 1 of Lefebvre-'418.

Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Vy Q. Bui whose telephone number is 571-272-4692. The examiner can normally be reached on Monday-Tuesday and Thursday-Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Jackie Ho can be reached on 571-272-4696. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/s/ Q. Bui/

Primary Examiner, Art Unit 3773